

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1-17. (Canceled)

18. (New) A method for connecting a first object to a second object along a common contact surface, wherein the first object comprises, at the location of the contact surface, a portion for a means for connecting to be applied, said portion accessible along at least one edge zone of the second object, the method comprising:

providing a first object and a second object;
holding the first object against the second object along the common contact surface;
melting and atomizing particles of a material comprising the means for connecting; and
depositing along the at least one edge zone the particles in molten state on the first object and on the edge zone respectively the edges of said opening, in a quantity such that in solidified state the deposited material particles form a connection between the first object and the second object,

wherein the melting and atomizing comprises at least one of flame-spraying with a gas-oxygen flame and electric-arc spraying.

19. (New) The method of claim 18, wherein the melting and atomizing further comprises at least one of powder spraying and wire spraying.

20. (New) The method of claim 18, wherein the material suitable as the means for connecting has a melting point or an upper limit of a melting range at a temperature below 2400° C.

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21. (New) The method of claim 20, wherein the melting point or the upper limit of a melting range lies at a temperature below 600° C.

22. (New) The method of claim 20, wherein the melting point or the upper limit of a melting range lies at a temperature below 150° C.

23. (New) The method of claim 18, wherein the material suitable as the means for connecting contains at least one of aluminum, chromium, iron, nickel, copper, zinc, molybdenum, palladium, silver, indium, tin, antimony, lead, and alloys thereof.

24. (New) The method of claim 18, wherein the portion of the first object accessible for the means for connecting is porous, and wherein pores have dimensions such that the material deposited and solidified forms a mechanical connection through interlocking of the material deposited and solidified and the pores.

25. (New) The method of claim 24, wherein the porous portion is obtained by forming an alloy layer of a material suitable as the means for connecting with a portion of the first object.

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26. (New) The method of claim 24, wherein the porous portion is obtained by forming a coating layer of a material suitable as the means for connecting on a portion of the first object.

27. (New) The method of claim 18, wherein the holding is performed immediately preceding the melting and atomizing.

28. (New) The method of claim 18, wherein the first object, at the location of the contact surface, is manufactured substantially from a metal.

29. (New) The method of claim 18, wherein the second object, at the location of the contact surface, is manufactured substantially from a metal.

30. The method of claim 28, wherein the metal comprises at least one of aluminum, chromium, iron, nickel, copper, molybdenum, palladium, silver, indium, gold, tungsten, and alloys thereof.
